

*Maupin 09/856,396*

07/03/2002

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(FILE 'HOME' ENTERED AT 14:57:05 ON 07 MAR 2002)

FILE 'HCAPLUS' ENTERED AT 14:57:56 ON 07 MAR 2002

E HERTS D?/AU

E CLARKE D?/AU

L1 505 S E12-48  
E LEYSHON L?/AU  
L2 34 S E1-7  
E SMITH KAT?/AU  
L3 6 S E62-64  
L4 1 S L1 AND L2 AND L3  
L5 540 S L1 OR L2 OR L3  
L6 68 S L5 AND PHOTO?  
L7 31 S L6 AND DYE  
L8 13 S L7 AND COUP?  
L9 5 S L8 AND SILVER  
SELECT RN L9 1-5

FILE 'REGISTRY' ENTERED AT 15:07:28 ON 07 MAR 2002

L10 86 S E1-86

FILE 'HCAPLUS' ENTERED AT 15:07:52 ON 07 MAR 2002

L11 5 S L9 AND L10

*5 citations & example displayed*

=>

# Inventor Search

Maupin 09.856,396

08/03/2002

=&gt; d l11 ibib abs hitstr

L11 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:524736 HCAPLUS  
DOCUMENT NUMBER: 135:114417  
TITLE: **Photographic** elements with yellow  
dye-forming **coupler** and stabilizing  
compounds  
INVENTOR(S): Gibson, Danuta; Honan, James Stephen; Leyshon,  
Llewellyn James; Rosiek, Thomas Arthur; Thomas,  
Brian  
PATENT ASSIGNEE(S): Eastman Kodak Company, USA  
SOURCE: Eur. Pat. Appl., 38 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1116997	A2	20010718	EP 2001-200008	20010102
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6312881	B1	20011106	US 2000-483396	20000114
PRIORITY APPLN. INFO.:			US 2000-483396	A 20000114

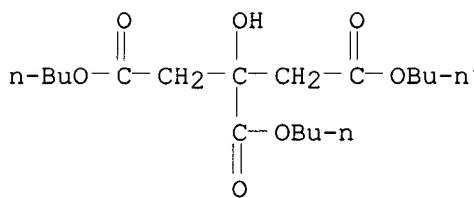
OTHER SOURCE(S): MARPAT 135:114417

AB The invention relates to **silver** halide color **photog.**  
materials that contain yellow dye-forming **couplers** in  
combination with certain non-imaging compds. that enhance the efficiency  
of generation of the image **dye** and also give rise to images  
resistant to fading. In accordance with 1 embodiment of the invention, a  
**photog.** element is disclosed comprising a Ag halide emulsion layer  
having assocd. therewith an acetanilide-based yellow **dye** forming  
**coupler** and a stabilizer compd. RaN(Ro)LpSO<sub>2</sub>Rb where Ro = an  
unsubstituted or substituted aryl or heterocyclic group; Ra is H or a  
substituent group; L = an alkylene linking group and p = 0 or 1; and Rb is  
a substituent group, provided that substituent groups represented by Ra  
and Rb may be joined to form a ring. The presence of substituted amine  
compds. of this formula improves the efficiency of **dye** formation  
reaction for acetanilide-based **couplers**. When used in  
combination with known bis-phenolic stabilizers, substantial improvements  
in the light stability of the image dyes can be also be obtained.  
Accordingly, **photog.** elements of the present invention upon  
exposure and **photog.** processing exhibit good activity and yield  
yellow **dye** images that have low fading when exposed to light.

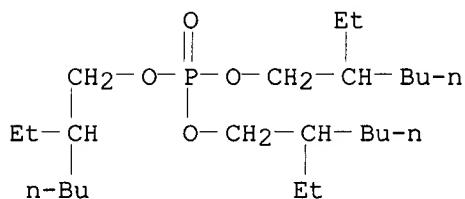
IT 77-94-1, Tributyl citrate 78-42-2, Tris(2-  
ethylhexyl)phosphate 94-47-3, Phenylethyl benzoate  
109-43-3, Dibutyl sebacate 143-28-2, Oleyl alcohol  
903-19-5 3278-22-6, Bis(vinylsulfonyl)methane  
3648-20-2, Diundecyl phthalate 34421-11-9  
99217-03-5 349607-94-9, tert-Butylacrylamide-tert-butyl  
acrylate copolymer  
RL: MOA (Modifier or additive use); NUU (Other use, unclassified); TEM  
(Technical or engineered material use); USES (Uses)  
(**photog.** element comprising **silver** halide emulsion  
and coating layers contg.)

RN 77-94-1 HCPLUS

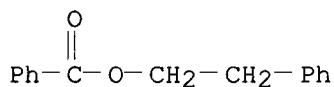
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, tributyl ester (9CI) (CA  
INDEX NAME)



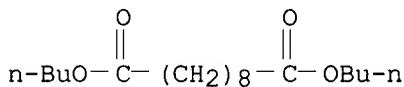
RN 78-42-2 HCAPLUS  
CN Phosphoric acid, tris(2-ethylhexyl) ester (7CI, 8CI, 9CI) (CA INDEX NAME)



RN 94-47-3 HCAPLUS  
CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



RN 109-43-3 HCAPLUS  
CN Decanedioic acid, dibutyl ester (9CI) (CA INDEX NAME)

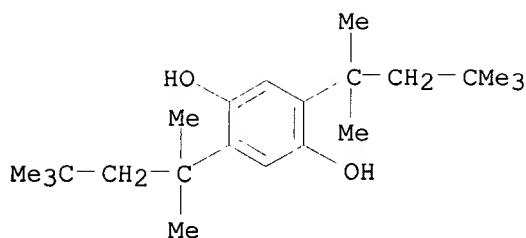


RN 143-28-2 HCAPLUS  
CN 9-Octadecen-1-ol, (9Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

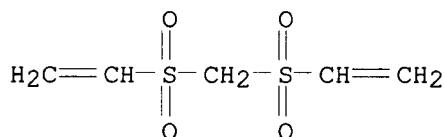


RN 903-19-5 HCAPLUS  
CN 1,4-Benzenediol, 2,5-bis(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



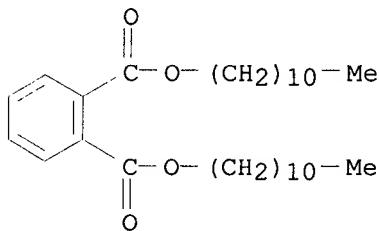
RN 3278-22-6 HCAPLUS

CN Ethene, 1,1'-(methylenebis(sulfonyl))bis- (9CI) (CA INDEX NAME)



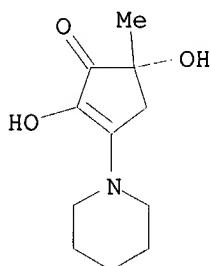
RN 3648-20-2 HCAPLUS

CN 1,2-Benzenedicarboxylic acid, diundecyl ester (9CI) (CA INDEX NAME)



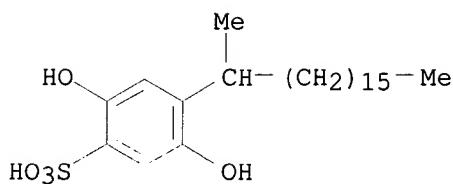
RN 34421-11-9 HCAPLUS

CN 2-Cyclopenten-1-one, 2,5-dihydroxy-5-methyl-3-(1-piperidinyl)- (9CI) (CA INDEX NAME)



RN 99217-03-5 HCAPLUS

CN Benzenesulfonic acid, 2,5-dihydroxy-4-(1-methylheptadecyl)-, monopotassium salt (9CI) (CA INDEX NAME)



● K

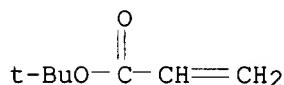
RN 349607-94-9 HCAPLUS

CN 2-Propenoic acid, 1,1-dimethylethyl ester, polymer with  
N-(1,1-dimethylethyl)-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 1663-39-4

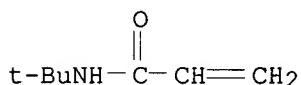
CMF C7 H12 O2



CM 2

CRN 107-58-4

CMF C7 H13 N O



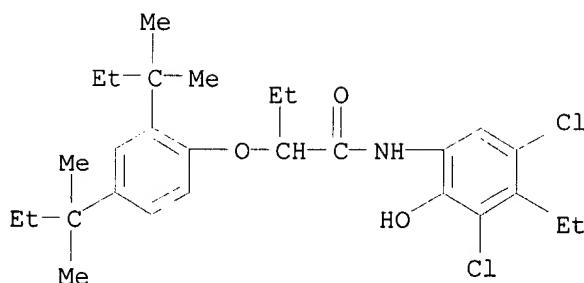
IT 93951-12-3 124351-77-5

RL: NUU (Other use, unclassified); RCT (Reactant); TEM (Technical or  
engineered material use); USES (Uses)

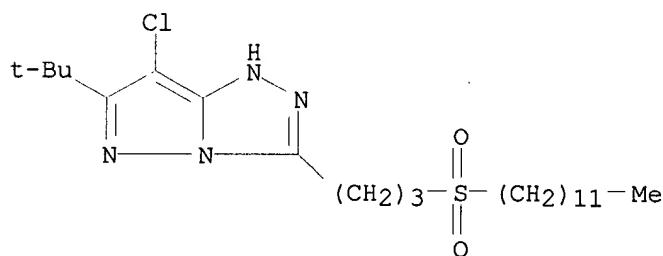
(photog. element comprising silver halide emulsion  
contg. coupler of)

RN 93951-12-3 HCAPLUS

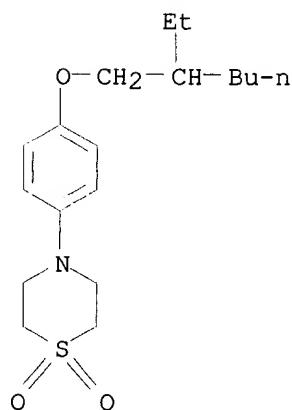
CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-(3,5-dichloro-4-ethyl-  
2-hydroxyphenyl)- (9CI) (CA INDEX NAME)



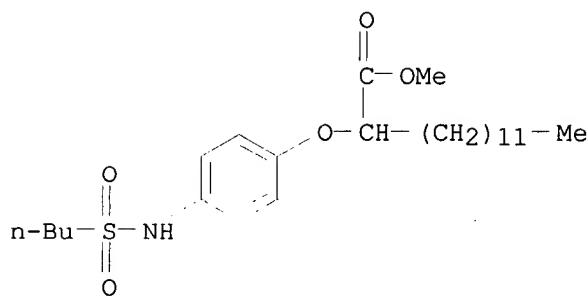
RN 124351-77-5 HCPLUS  
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 7-chloro-6-(1,1-dimethylethyl)-3-[3-(dodecylsulfonyl)propyl]- (9CI) (CA INDEX NAME)



IT 133467-41-1 183732-71-0  
 RL: NUU (Other use, unclassified); RCT (Reactant); TEM (Technical or engineered material use); USES (Uses)  
 (photog. element comprising silver halide emulsion  
 contg. stabilizer of)  
 RN 133467-41-1 HCPLUS  
 CN Thiomorpholine, 4-[4-[(2-ethylhexyl)oxy]phenyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)



RN 183732-71-0 HCPLUS  
 CN Tetradecanoic acid, 2-[4-[(butylsulfonyl)amino]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



IT 30744-85-5 70950-45-7 168689-49-4

210706-50-6

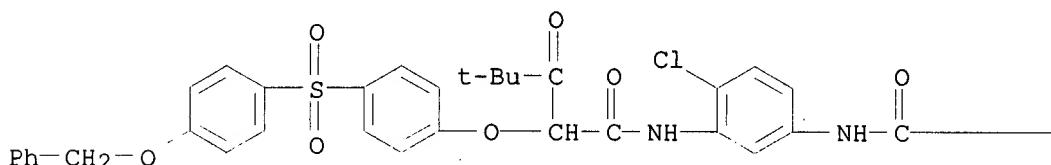
RL: NUU (Other use, unclassified); RCT (Reactant); TEM (Technical or engineered material use); USES (Uses)

(yellow coupler; photog. element comprising  
silver halide emulsion contg. acetanilide-based yellow  
dye-forming coupler of)

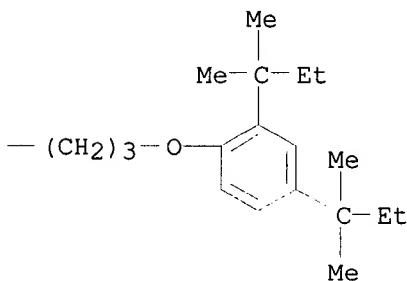
RN 30744-85-5 HCAPLUS

CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-4,4-dimethyl-3-oxo-2-[4-[[4-(phenylmethoxy)phenyl]sulfonyl]phenoxy]- (9CI) (CA INDEX NAME)

PAGE 1-A

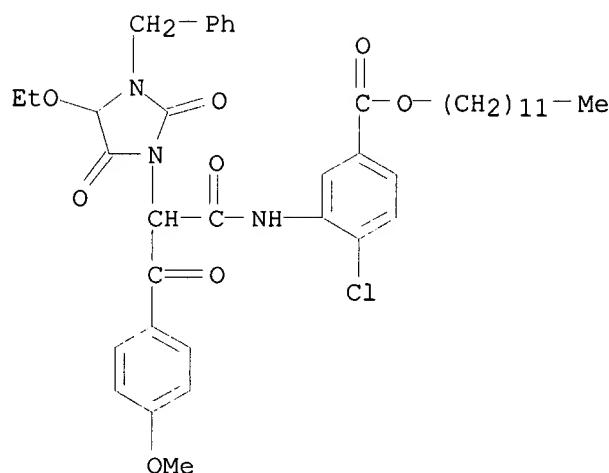


PAGE 1-B



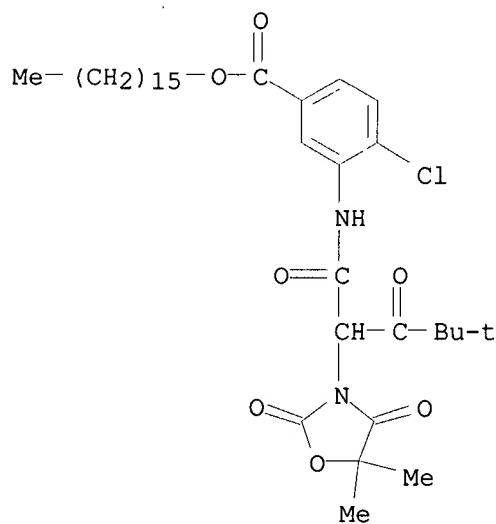
RN 70950-45-7 HCAPLUS

CN Benzoic acid, 4-chloro-3-[[2-[4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidinyl]-3-(4-methoxyphenyl)-1,3-dioxopropyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)



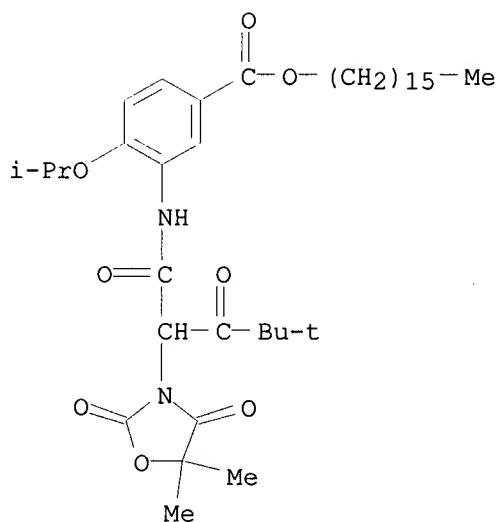
RN 168689-49-4 HCAPLUS

CN Benzoic acid, 4-chloro-3-[(2-(5,5-dimethyl-2,4-dioxo-3-oxazolidinyl)-4,4-dimethyl-1,3-dioxopentyl)amino]-, hexadecyl ester (9CI) (CA INDEX NAME)

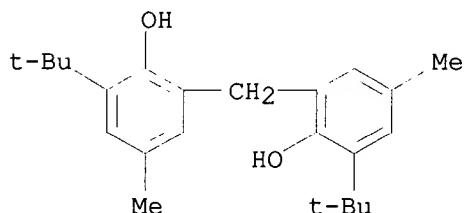


RN 210706-50-6 HCAPLUS

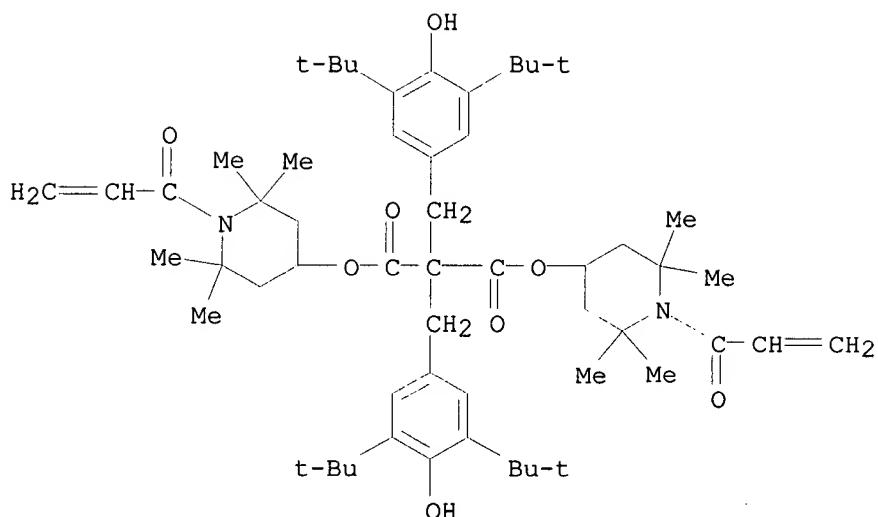
CN Benzoic acid, 3-[(2-(5,5-dimethyl-2,4-dioxo-3-oxazolidinyl)-4,4-dimethyl-1,3-dioxopentyl)amino]-4-(1-methylethoxy)-, hexadecyl ester (9CI) (CA INDEX NAME)



IT 119-47-1 63941-39-9 64778-80-9  
 89929-65-7 125051-31-2 165593-30-6  
 349607-93-8  
 RL: NUU (Other use, unclassified); RCT (Reactant); TEM (Technical or  
 engineered material use); USES (Uses)  
 (yellow stabilizer; photog. element comprising silver  
 halide emulsion contg. yellow stabilizer of)  
 RN 119-47-1 HCPLUS  
 CN Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl- (9CI) (CA INDEX  
 NAME)

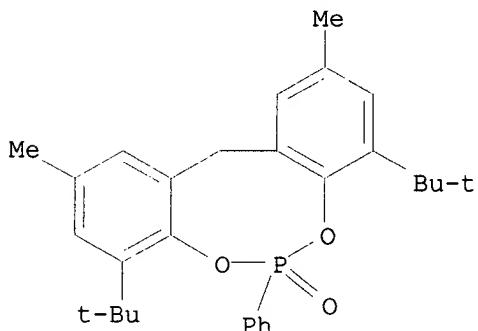


RN 63941-39-9 HCPLUS  
 CN Propanedioic acid, bis[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-  
 , bis[2,2,6,6-tetramethyl-1-(1-oxo-2-propenyl)-4-piperidinyl] ester (9CI)  
 (CA INDEX NAME)



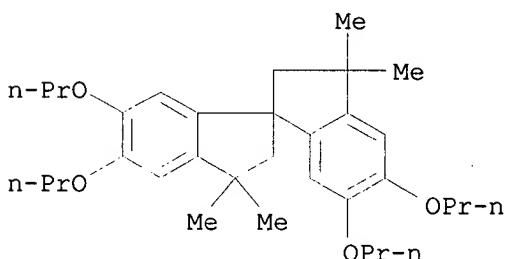
RN 64778-80-9 HCAPLUS

CN 12H-Dibenzo[d,g][1,3,2]dioxaphosphocin, 4,8-bis(1,1-dimethylethyl)-2,10-dimethyl-6-phenyl-, 6-oxide (9CI) (CA INDEX NAME)



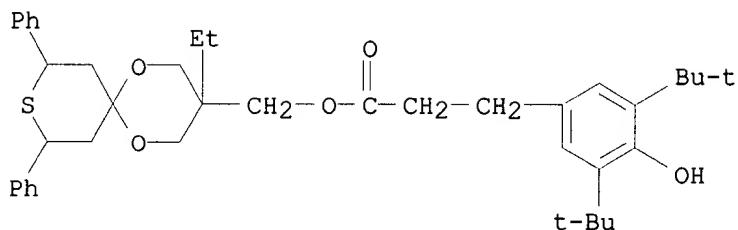
RN 89929-65-7 HCAPLUS

CN 1,1'-Spirobi[1H-indene], 2,2',3,3'-tetrahydro-3,3',3'-tetramethyl-5,5',6,6'-tetrapropoxy- (9CI) (CA INDEX NAME)



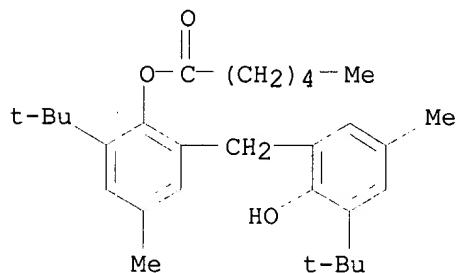
RN 125051-31-2 HCAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (3-ethyl-8,10-diphenyl-1,5-dioxa-9-thiaspiro[5.5]undec-3-yl)methyl ester (9CI) (CA INDEX NAME)



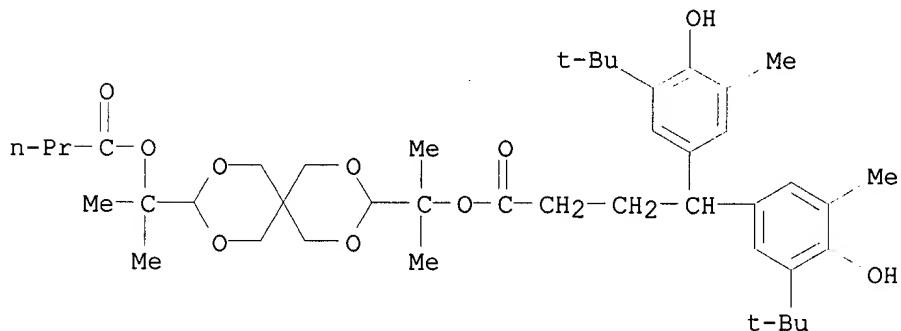
RN 165593-30-6 HCAPLUS

CN Hexanoic acid, 2-(1,1-dimethylethyl)-6-[[3-(1,1-dimethylethyl)-2-hydroxy-5-methylphenyl]methyl]-4-methylphenyl ester (9CI) (CA INDEX NAME)



RN 349607-93-8 HCAPLUS

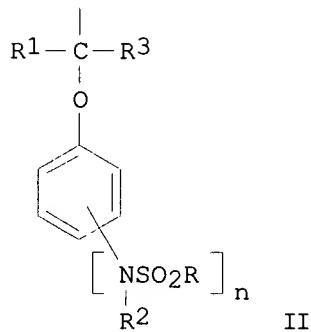
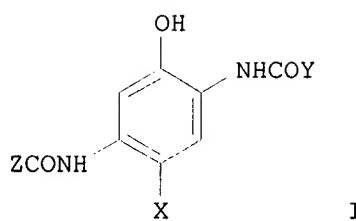
CN Benzenebutanoic acid, 3-(1,1-dimethylethyl)-.gamma.-[3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenyl]-4-hydroxy-5-methyl-, 1-methyl-1-[9-[1-methyl-1-(1-oxobutoxy)ethyl]-2,4,8,10-tetraoxaspiro[5.5]undec-3-yl]ethyl ester (9CI) (CA INDEX NAME)



=> d l11 ibib abs hitstr 2

L11 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:442031 HCAPLUS  
DOCUMENT NUMBER: 133:65924  
TITLE: **Photographic coupler providing dye images with improved light stability**  
INVENTOR(S): **Clarke, David; Leyshon, Llewellyn J.**  
; **Smith, Katie E.**  
PATENT ASSIGNEE(S): Eastman Kodak Company, USA  
SOURCE: PCT Int. Appl., 42 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038013	A1	20000629	WO 1999-GB4360	19991222
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1145078	A1	20011017	EP 1999-962405	19991222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRIORITY APPLN. INFO.:			GB 1998-28147	A 19981222
			WO 1999-GB4360	W 19991222
OTHER SOURCE(S):	MARPAT	133:65924		
GI				



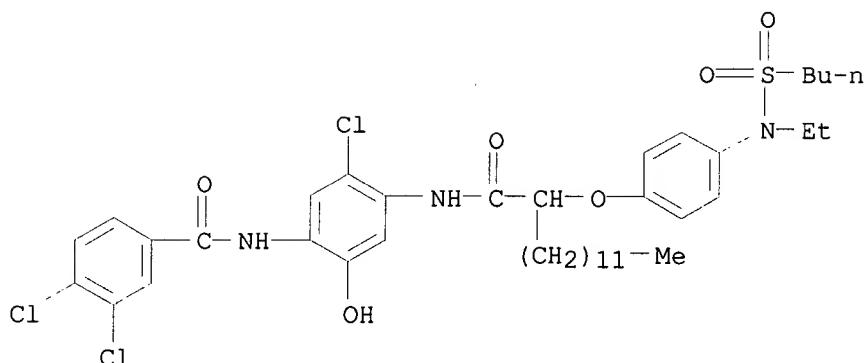
AB There is provided a **photog.** element comprising at least one **silver** halide emulsion layer having assocd. therewith a novel phenolic cyan **dye-forming photog. coupler** of formula I [X = H or a group that can be split off by the reaction of the **coupler** with an oxidized color developing agent; Y, Z = (substituted) alkyl, (substituted) aryl, a (substituted) 5-10-membered heterocyclic ring which contains one or more heteroatoms selected from N, O, and S, or II where R, R2 = (substituted) alkyl, (substituted) aryl, or a (substituted) 5-10-membered heterocyclic ring which contains one or more heteroatoms selected from N, O, and S; R1, R3 = H, (substituted) alkyl, or (substituted) aryl; n = 1 or 2]. The **photog. coupler** provides cyan **dye** images having a good hue and an excellent resistance to heat, humidity, and light.

IT 277760-96-0

RL: TEM (Technical or engineered material use); USES (Uses)  
(cyan **photog. coupler**)

RN 277760-96-0 HCPLUS

CN Benzamide, N-[4-[[2-[4-[(butylsulfonyl)ethylamino]phenoxy]-1-oxotetradecyl]amino]-5-chloro-2-hydroxyphenyl]-3,4-dichloro- (9CI) (CA INDEX NAME)

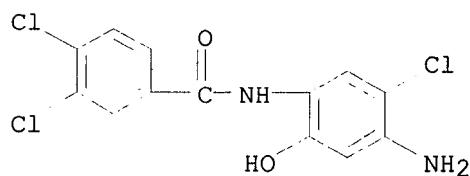


IT 95709-82-3P 95709-83-4P 277760-97-1P  
277760-98-2P 277760-99-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and reaction in synthesis of cyan photog.  
coupler)

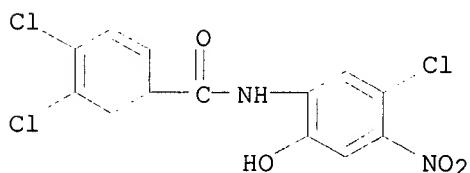
RN 95709-82-3 HCAPLUS

CN Benzamide, N-(4-amino-5-chloro-2-hydroxyphenyl)-3,4-dichloro- (9CI) (CA INDEX NAME)



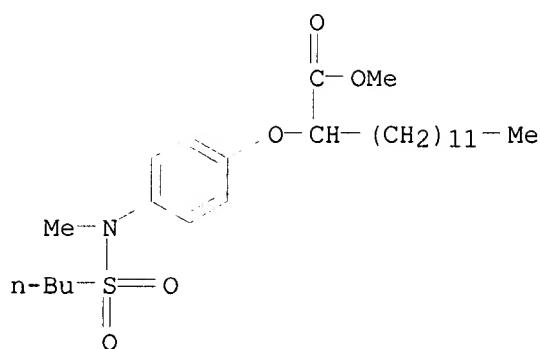
RN 95709-83-4 HCAPLUS

CN Benzamide, 3,4-dichloro-N-(5-chloro-2-hydroxy-4-nitrophenyl)- (9CI) (CA INDEX NAME)



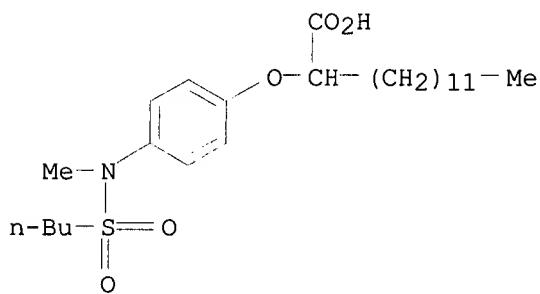
RN 277760-97-1 HCAPLUS

CN Tetradecanoic acid, 2-[4-[(butylsulfonyl)methylamino]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



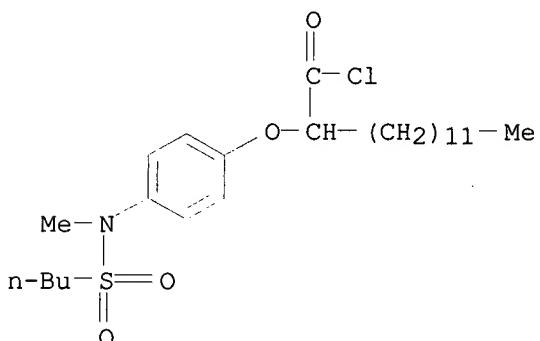
RN 277760-98-2 HCAPLUS

CN Tetradecanoic acid, 2-[4-[(butylsulfonyl)methylamino]phenoxy]- (9CI) (CA INDEX NAME)



RN 277760-99-3 HCAPLUS

CN Tetradecanoyl chloride, 2-[4-[(butylsulfonyl)methylamino]phenoxy]- (9CI) (CA INDEX NAME)



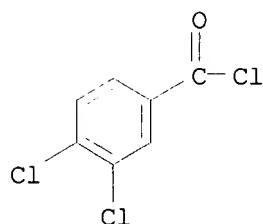
IT 3024-72-4 6358-07-2 183732-71-0

RL: RCT (Reactant)

(reaction in synthesis of cyan photog. coupler)

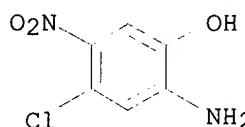
RN 3024-72-4 HCAPLUS

CN Benzoyl chloride, 3,4-dichloro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

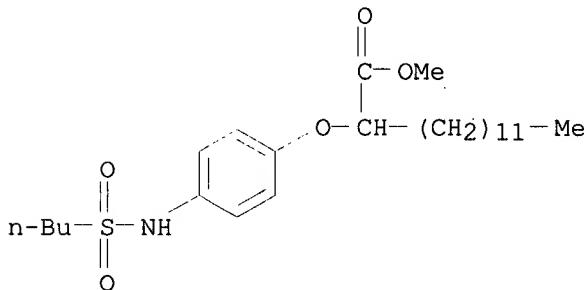


RN 6358-07-2 HCAPLUS

CN Phenol, 2-amino-4-chloro-5-nitro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 183732-71-0 HCAPLUS

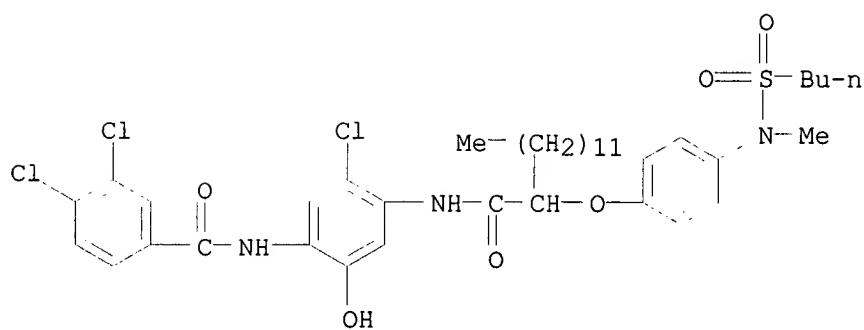
CN Tetradecanoic acid, 2-[4-[(butylsulfonyl)amino]phenoxy]-, methyl ester  
(9CI) (CA INDEX NAME)

IT 277760-95-9P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(synthesis and use as cyan photog. coupler)

RN 277760-95-9 HCAPLUS

CN Benzamide, N-[4-[[2-[(butylsulfonyl)amino]phenoxy]-1-oxotetradecyl]amino]-5-chloro-2-hydroxyphenyl-3,4-dichloro- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

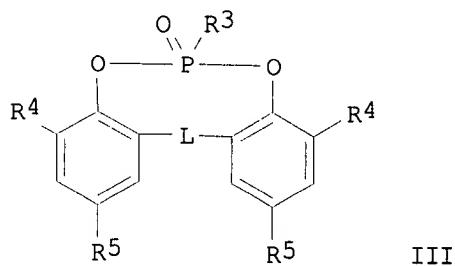
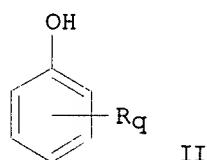
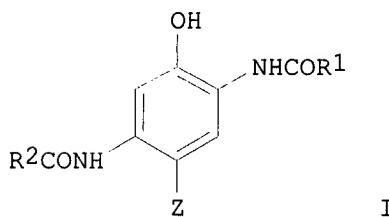
5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 111 ibib abs hitstr 3

L11 ANSWER 3 OF 5 HCPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:297254 HCPLUS  
 DOCUMENT NUMBER: 130:318508  
 TITLE: **Photographic element containing cyan dye-forming coupler, coupler solvent and bisphenol derivative**  
 INVENTOR(S): Lau, Philip T. S.; Cowan, Stanley Wray; Clarke, David; Leyshon, Llewellyn James  
 PATENT ASSIGNEE(S): Eastman Kodak Company, USA  
 SOURCE: Eur. Pat. Appl., 44 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 913729	A1	19990506	EP 1998-203509	19981019
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6004738	A	19991221	US 1997-961116	19971030
JP 11212225	A2	19990806	JP 1998-310705	19981030
PRIORITY APPLN. INFO.:			US 1997-961116	19971030
OTHER SOURCE(S):	MARPAT	130:318508		
GI				



AB The invention provides a **photog.** element comprising a light-sensitive **silver** halide emulsion layer contg. a cyan **dye-forming coupler** of formula I, a phenolic solvent of formula II and a bisphenol compd. of formula III wherein R1 and R2 represent an alkyl or aryl group, Z represents hydrogen or a group capable

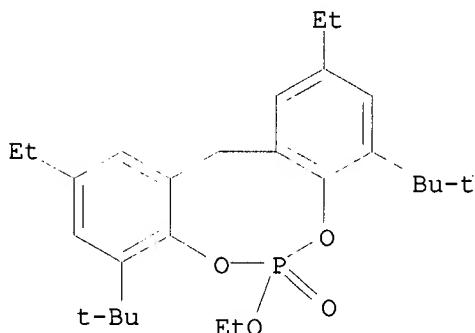
of being split off by an oxidized color developer, R represents a substituent group, q represents an integer from 1 to 3, the total of the carbon atoms contained in all of the R groups is at least 8 and no more than 15 carbon atoms, R3 represents an alkyl, aryl, alkoxy, aryloxy, or substituted amino group, L is a linking group having one atom between the Ph rings, R4 represents an alkyl group, and R5 represents H or an alkyl group.

IT 223558-33-6

RL: TEM (Technical or engineered material use); USES (Uses)  
 (color **photog.** materials contg. hydroxyacetanilide deriv.  
 cyan **photog. couplers** and)

RN 223558-33-6 HCAPLUS

CN 12H-Dibenzo[d,g][1,3,2]dioxaphosphocin, 4,8-bis(1,1-dimethylethyl)-6-ethoxy-2,10-diethyl-, 6-oxide (9CI) (CA INDEX NAME)

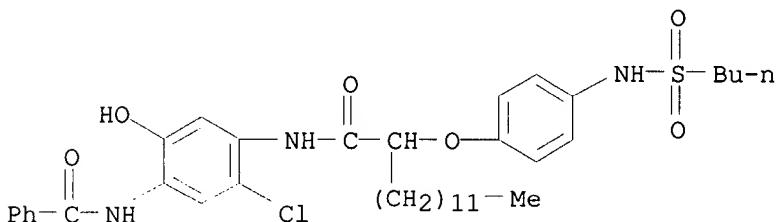


IT 63573-38-6 223558-30-3

RL: TEM (Technical or engineered material use); USES (Uses)  
 (cyan **photog. coupler** to be used with phenolic  
 solvents and bisphenol compds.)

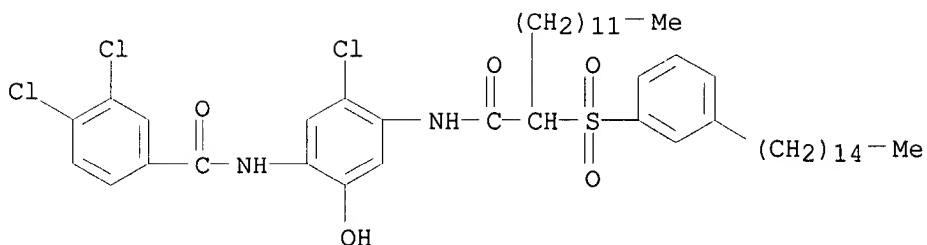
RN 63573-38-6 HCAPLUS

CN Benzamide, N-[4-[[2-[(butylsulfonyl)amino]phenoxy]-1-oxotetradecyl]amino]-5-chloro-2-hydroxyphenyl]- (9CI) (CA INDEX NAME)



RN 223558-30-3 HCAPLUS

CN Benzamide, 3,4-dichloro-N-[5-chloro-2-hydroxy-4-[[1-oxo-2-[(3-pentadecylphenyl)sulfonyl]tetradecyl]amino]phenyl]- (9CI) (CA INDEX NAME)

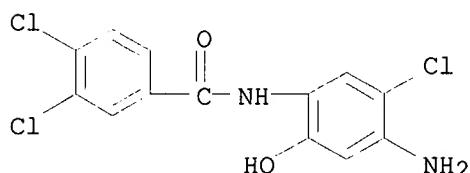


IT 95709-82-3P 95709-83-4P

RL: RCT (Reactant); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (prepn. and reaction in prep. cyan photog. coupler  
 )

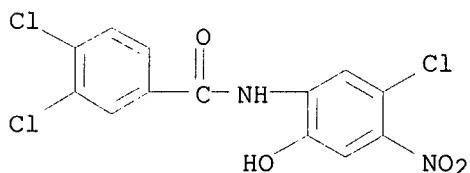
RN 95709-82-3 HCAPLUS

CN Benzamide, N-(4-amino-5-chloro-2-hydroxyphenyl)-3,4-dichloro- (9CI) (CA INDEX NAME)



RN 95709-83-4 HCAPLUS

CN Benzamide, 3,4-dichloro-N-(5-chloro-2-hydroxy-4-nitrophenyl)- (9CI) (CA INDEX NAME)

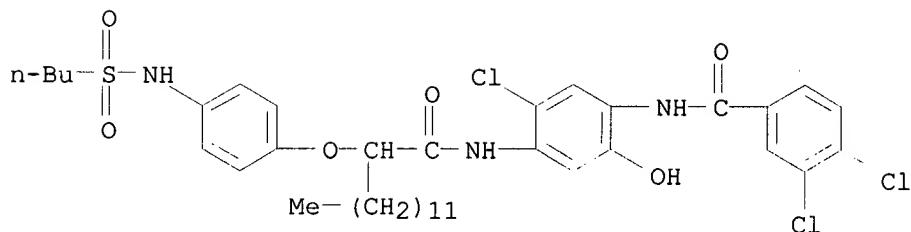


IT 93642-03-6P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (prepn. and use as cyan photog. coupler)

RN 93642-03-6 HCAPLUS

CN Benzamide, N-[4-[[2-[(4-chlorophenoxy)amino]phenoxy]-1-oxotetradecyl]amino]-3,4-dichloro-2-hydroxyphenylbenzamide (9CI) (CA INDEX NAME)

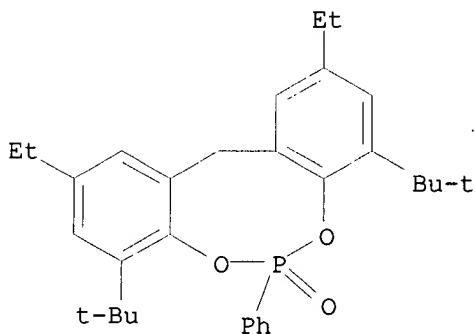


IT 223558-23-4P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (prep. and use in prep. color photog. materials)

RN 223558-23-4 HCPLUS

CN 12H-Dibenzo[d,g][1,3,2]dioxaphosphocin, 4,8-bis(1,1-dimethylethyl)-2,10-diethyl-6-phenyl-, 6-oxide (9CI) (CA INDEX NAME)



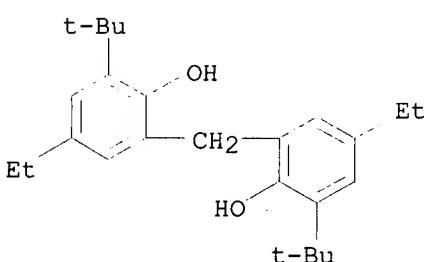
IT 88-24-4, 2,2'-Methylenebis(6-tert-butyl-4-ethylphenol)

121-44-8, reactions 824-72-6, Phenylphosphonic dichloride 1122-58-3, 4-Dimethylaminopyridine

RL: RCT (Reactant); TEM (Technical or engineered material use); USES (Uses)  
 (reaction in prep. bisphenol compd. for color photog. materials)

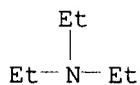
RN 88-24-4 HCPLUS

CN Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-ethyl- (9CI) (CA INDEX NAME)

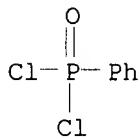


RN 121-44-8 HCPLUS

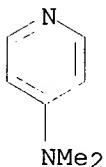
CN Ethanamine, N,N-diethyl- (9CI) (CA INDEX NAME)



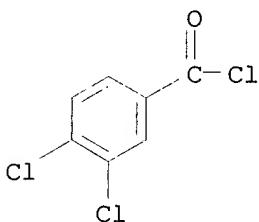
RN 824-72-6 HCPLUS  
 CN Phosphonic dichloride, phenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)



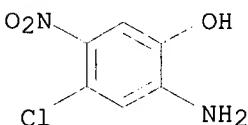
RN 1122-58-3 HCPLUS  
 CN 4-Pyridinamine, N,N-dimethyl- (9CI) (CA INDEX NAME)



IT 3024-72-4, 3,4-Dichlorobenzoyl chloride 6358-07-2  
 66142-13-0  
 RL: RCT (Reactant); TEM (Technical or engineered material use); USES  
 (Uses)  
 (reaction in prep. cyan **photog. coupler**)  
 RN 3024-72-4 HCPLUS  
 CN Benzoyl chloride, 3,4-dichloro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

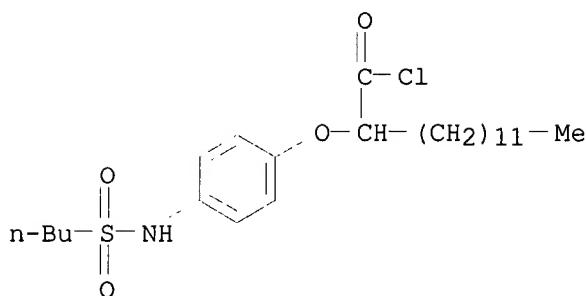


RN 6358-07-2 HCPLUS  
 CN Phenol, 2-amino-4-chloro-5-nitro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 66142-13-0 HCPLUS

CN Tetradecanoyle chloride, 2-[4-[(butylsulfonyl)amino]phenoxy]- (9CI) (CA  
INDEX NAME)

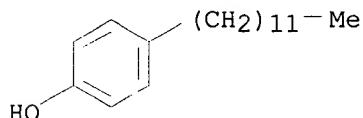


IT 104-43-8, 4-Dodecylphenol

RL: TEM (Technical or engineered material use); USES (Uses)  
(solvent for hydroxyacetanilide deriv. cyan **photog.**  
**couplers** in color **photog.** emulsions)

RN 104-43-8 HCAPLUS

CN Phenol, 4-dodecyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l11 ibib abs hitstr 4

L11 ANSWER 4 OF 5 HCPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1994:231836 HCPLUS  
 DOCUMENT NUMBER: 120:231836  
 TITLE: **Photographic** color image formation  
 INVENTOR(S): Clarke, David Kodak Limited; Stanley, Paul  
 Louis Reginald Ko  
 PATENT ASSIGNEE(S): Kodak Ltd., UK; Eastman Kodak Co.  
 SOURCE: Eur. Pat. Appl., 24 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 565165	A1	19931013	EP 1993-200884	19930327
EP 565165	B1	19980902		
R: BE, CH, DE, FR, GB, IT, LI, NL				
US 5415981	A	19950516	US 1993-26331	19930304
JP 07261346	A2	19951013	JP 1993-69707	19930329
JP 3227010	B2	20011112		
PRIORITY APPLN. INFO.:			GB 1992-6972	A 19920331
			GB 1992-8616	A 19920421

OTHER SOURCE(S): MARPAT 120:231836

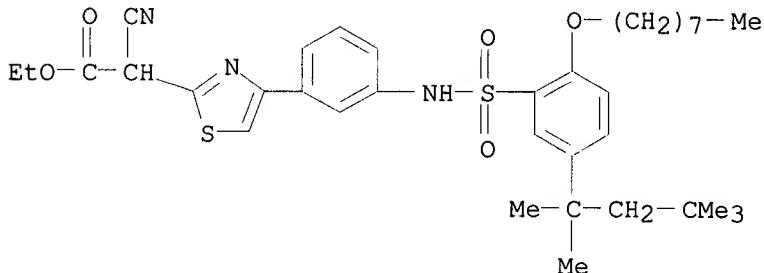
AB There is provided a method of forming a **photog.** color image which comprises imagewise exposing a **photog.** silver halide color material and processing it with an alk. developer soln. in the presence of a sulfonhydrazide developer and a heteroarylacetonitrile color **coupler** thus forming a **dye** image by reaction of the oxidized color developer and the color **coupler**.

IT 154136-36-4 154136-37-5 154136-38-6

RL: TEM (Technical or engineered material use); USES (Uses)  
 (cyan **photog.** **coupler**)

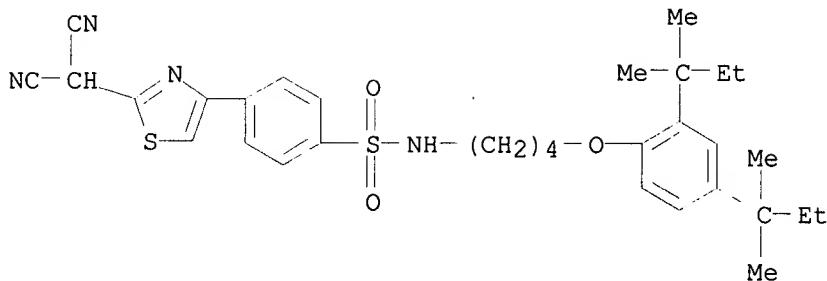
RN 154136-36-4 HCPLUS

CN 2-Thiazoleacetic acid, .alpha.-cyano-4-[3-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)

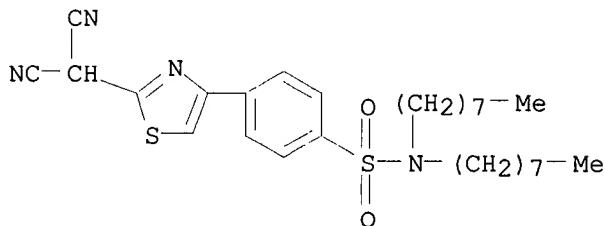


RN 154136-37-5 HCPLUS

CN Benzenesulfonamide, N-[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]butyl]-4-[2-(dicyanomethyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



RN 154136-38-6 HCPLUS

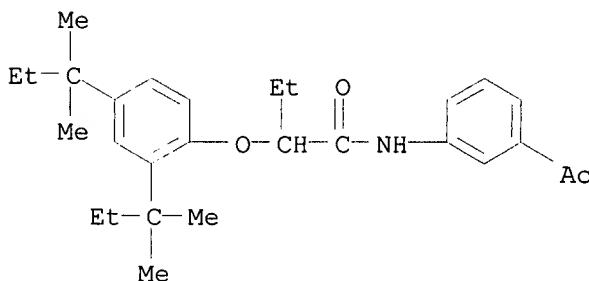
CN Benzenesulfonamide, 4-[2-(dicyanomethyl)-4-thiazolyl]-N,N-dioctyl- (9CI)  
(CA INDEX NAME)

IT 154136-26-2P 154136-27-3P 154136-29-5P

154136-30-8P

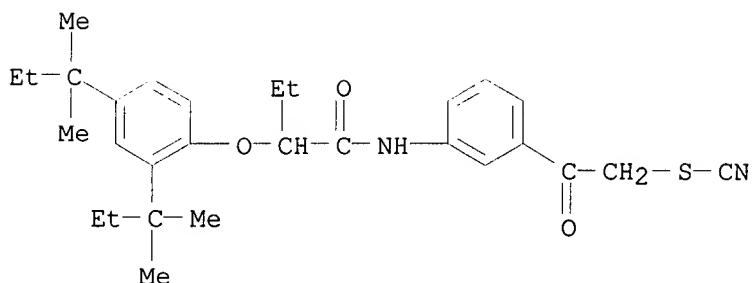
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and reaction of, in prepg. cyan photog.  
coupler)

RN 154136-26-2 HCPLUS

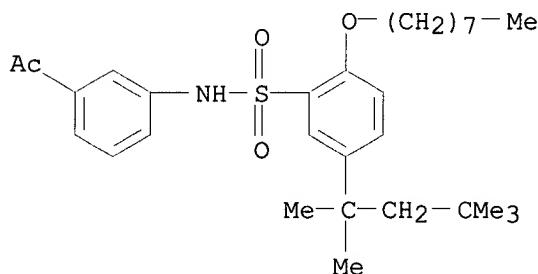
CN Butanamide, N-(3-acetylphenyl)-2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-  
(9CI) (CA INDEX NAME)

RN 154136-27-3 HCPLUS

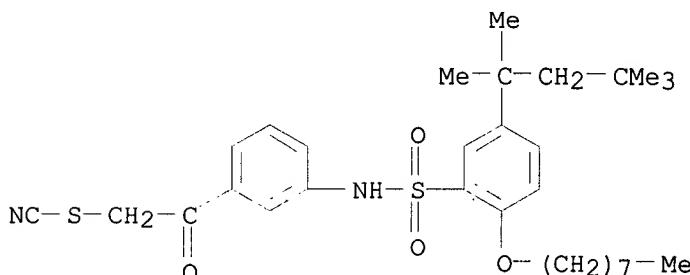
CN Thiocyanic acid, 2-[3-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]phenyl]-2-oxoethyl ester (9CI) (CA INDEX NAME)



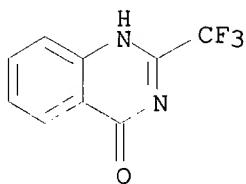
RN 154136-29-5 HCPLUS  
 CN Benzenesulfonamide, N-(3-acetylphenyl)-2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



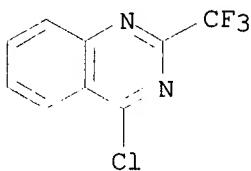
RN 154136-30-8 HCPLUS  
 CN Thiocyanic acid, 2-[3-[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-2-oxoethyl ester (9CI) (CA INDEX NAME)



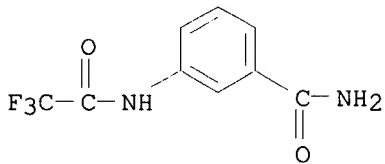
IT 26059-81-4P 52353-35-2P 137084-97-0P  
**154136-31-9P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and reaction of, in prep. photog. developers)  
 RN 26059-81-4 HCPLUS  
 CN 4(1H)-Quinazolinone, 2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



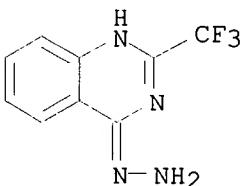
RN 52353-35-2 HCAPLUS  
 CN Quinazoline, 4-chloro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



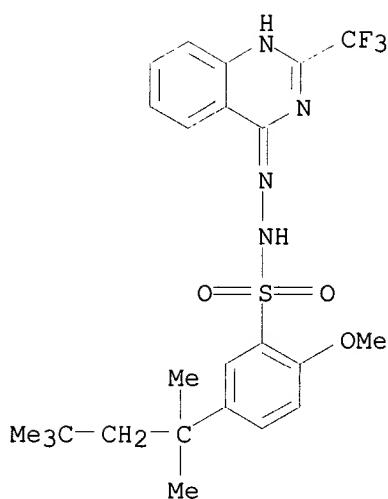
RN 137084-97-0 HCAPLUS  
 CN Benzamide, 3-[(trifluoroacetyl)amino]- (9CI) (CA INDEX NAME)



RN 154136-31-9 HCAPLUS  
 CN 4(1H)-Quinazolinone, 2-(trifluoromethyl)-, hydrazone (9CI) (CA INDEX NAME)



IT 154136-32-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and use of, as color photog. developer)  
 RN 154136-32-0 HCAPLUS  
 CN Benzenesulfonic acid, 2-methoxy-5-(1,1,3,3-tetramethylbutyl)-,  
 2-[2-(trifluoromethyl)-4-quinazolinyl]hydrazide (9CI) (CA INDEX NAME)

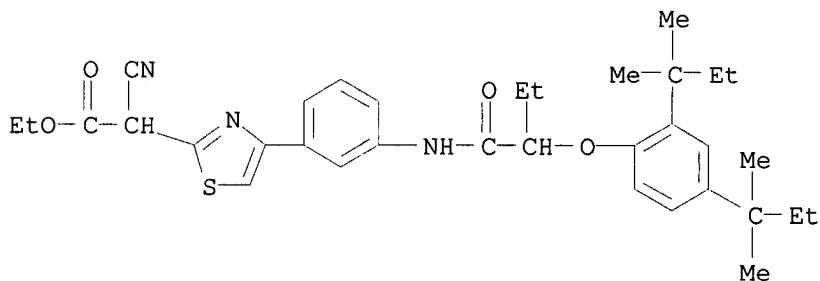


IT 154136-33-1P 154136-34-2P 154136-35-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and use of, as cyan photog. coupler)

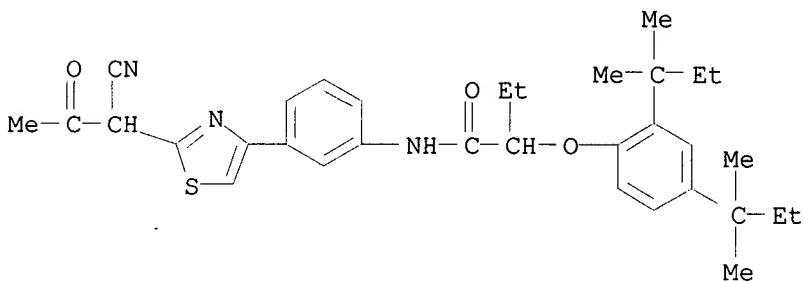
RN 154136-33-1 HCAPLUS

CN 2-Thiazoleacetic acid, 4-[3-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]phenyl]-.alpha.-cyano-, ethyl ester (9CI) (CA INDEX NAME)



RN 154136-34-2 HCAPLUS

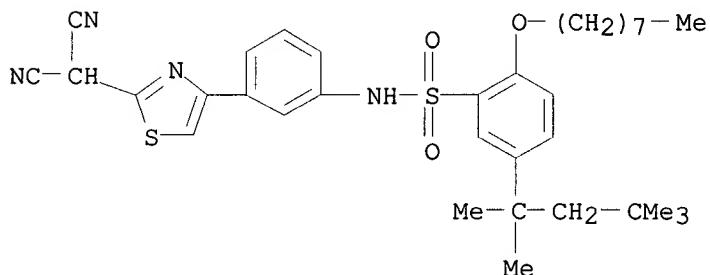
CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[3-[2-(1-cyano-2-oxopropyl)-4-thiazolyl]phenyl]- (9CI) (CA INDEX NAME)



RN 154136-35-3 HCAPLUS

CN Benzenesulfonamide, N-[3-{2-(dicyanomethyl)-4-thiazolyl}phenyl]-2-

(octyloxy)-5-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)

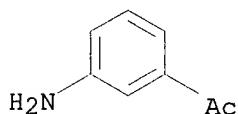


IT 99-03-6 40567-16-6 58955-28-5  
109871-07-0 154136-28-4

RL: RCT (Reactant)  
(reaction of, in prep. cyan **photog. coupler**)

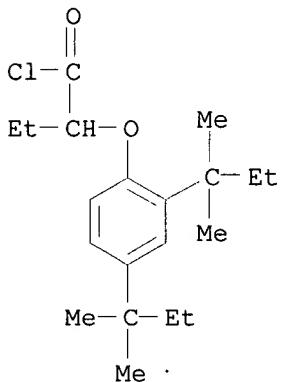
RN 99-03-6 HCPLUS

CN Ethanone, 1-(3-aminophenyl)- (9CI) (CA INDEX NAME)



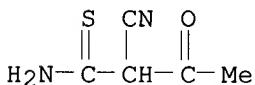
RN 40567-16-6 HCPLUS

CN Butanoyl chloride, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]- (9CI) (CA INDEX NAME)



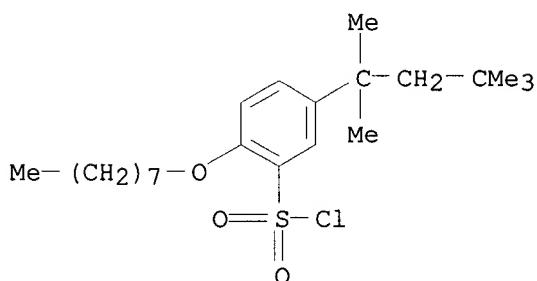
RN 58955-28-5 HCPLUS

CN Butanethioamide, 2-cyano-3-oxo- (9CI) (CA INDEX NAME)

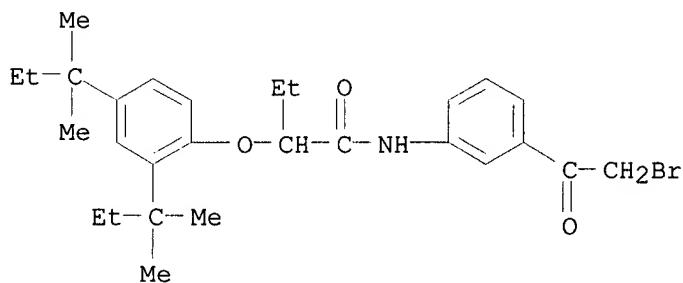


RN 109871-07-0 HCPLUS

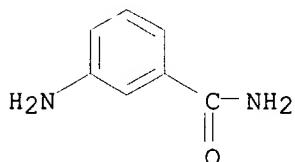
CN Benzenesulfonyl chloride, 2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)- (9CI)  
 (CA INDEX NAME)



RN 154136-28-4 HCPLUS  
 CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[3-(bromoacetyl)phenyl]- (9CI) (CA INDEX NAME)



IT 3544-24-9  
 RL: RCT (Reactant)  
 (reaction of, in prep. photog. developer)  
 RN 3544-24-9 HCPLUS  
 CN Benzamide, 3-amino- (9CI) (CA INDEX NAME)

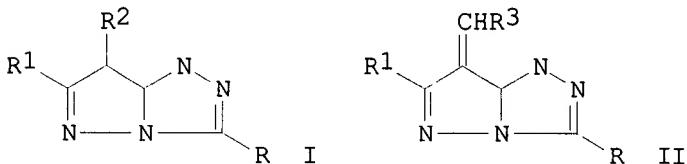


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L11 ANSWER 5 OF 5 HCPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1987:224358 HCPLUS  
 DOCUMENT NUMBER: 106:224358  
 TITLE: Pyrazolo [3,2-c]-s-triazole photographic  
 couplers, their use, synthesis and  
 intermediates therefor  
 INVENTOR(S): Buckland, Paul Richard; Leyshon, Llewellyn  
 James  
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA; Kodak Ltd.  
 SOURCE: Eur. Pat. Appl., 25 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 200354	A2	19861210	EP 1986-302222	19860326
EP 200354	A3	19880113		
EP 200354	B1	19900704		
R: BE, DE, FR, GB, NL				
CA 1283919	A1	19910507	CA 1986-504200	19860314
JP 61292143	A2	19861222	JP 1986-75641	19860403
JP 07119989	B4	19951220		
US 4777121	A	19881011	US 1987-128377	19871203
PRIORITY APPLN. INFO.:			GB 1985-8756	19850403
			US 1986-845304	19860328

GI



AB Pyrazolo[3,2-c]-s-triazole derivs. having the general formula I or II [R = (substituted) aryl; R1 = (substituted) tert-alkyl; R2, :CHR3 = moiety which is displaced upon reaction with the oxidn. product of a primary arom. amino photog. developing agent] are used as magenta couplers. The couplers I and II give dye images of good light stability. The light stability can be further enhanced by certain tetraalkoxybenzenes. A method of synthesis of the couplers, together with necessary intermediate compds., is also claimed. A compn. obtained by mixing a std. Ag(Br,Cl) emulsion, di-Bu phthalate, 6-tert-butyl-3-(4-decy1-2,3,5,6-tetramethylphenyl)-1H-pyrazolo[3,2-c]-s-triazole (III) gelatin, Na diisopropylnaphthalenesulfonate, bis(vinylsulfonylmethyl) ether, Et acetate, and H2O was coated on a transparent support, dried, exposed, developed in a conventional developer, and bleach-fixed to give a dye image with  $\lambda_{max}$  545 .mu.m. The obtained dye image (d. 1.10) was exposed to a high-intensity fluorescent light source (13 klx) for 300 h to show a d. redn. of only 0.10. A photog. material contg. III,

1,2,3,4-tetrabutoxybenzene was exposed and processed to give an image (d. 1.15) which showed a d. redn. of 0.08 after irradiating with the above light source for 282 h vs. 0.11 for a IV-free control.

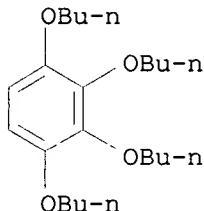
IT 108490-38-6, 1,2,3,4-Tetrabutoxybenzene 108490-39-7

RL: USES (Uses)

(color **silver halide photog.** emulsions contg., for improved stability of magenta **dye** images prep'd. from pyrazolotriazole deriv. **coupler**)

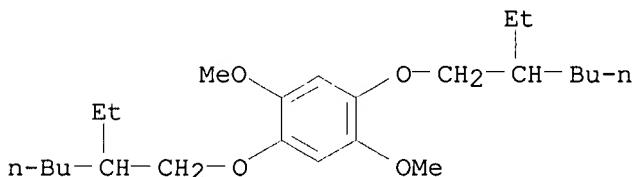
RN 108490-38-6 HCPLUS

CN Benzene, 1,2,3,4-tetrabutoxy- (9CI) (CA INDEX NAME)



RN 108490-39-7 HCPLUS

CN Benzene, 1,4-bis[(2-ethylhexyl)oxy]-2,5-dimethoxy- (9CI) (CA INDEX NAME)



IT 108490-31-9 108490-32-0 108490-33-1

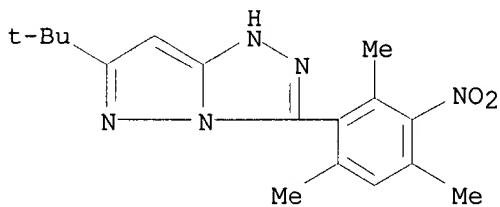
108490-34-2 108490-35-3 108490-36-4

**108490-37-5**

RL: TEM (Technical or engineered material use); USES (Uses)  
(magenta **photog. coupler**)

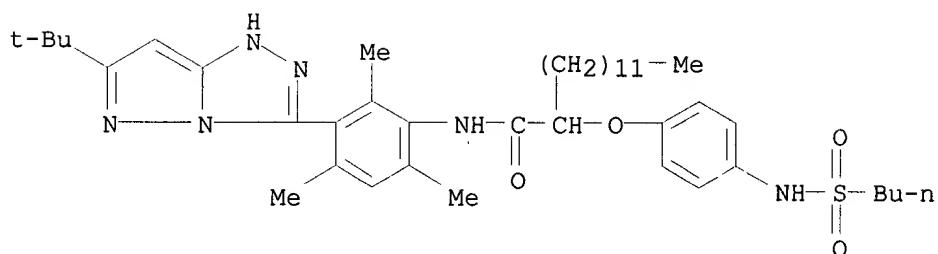
RN 108490-31-9 HCPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 6-(1,1-dimethylethyl)-3-(2,4,6-trimethyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)



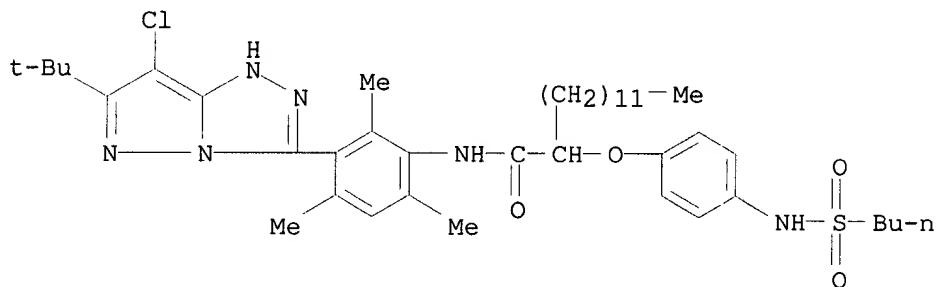
RN 108490-32-0 HCPLUS

CN Tetradecanamide, 2-[4-[(butylsulfonyl)amino]phenoxy]-N-[3-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2,4,6-trimethylphenyl]- (9CI) (CA INDEX NAME)



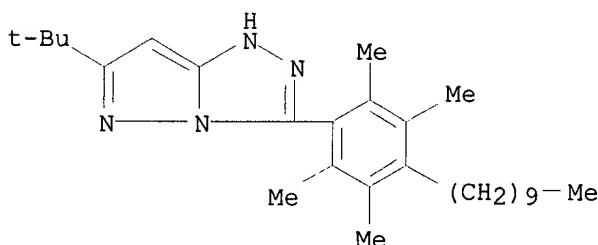
RN 108490-33-1 HCAPLUS

CN Tetrade canamide, 2-[4-[(butylsulfonyl)amino]phenoxy]-N-[3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2,4,6-trimethylphenyl]- (9CI) (CA INDEX NAME)



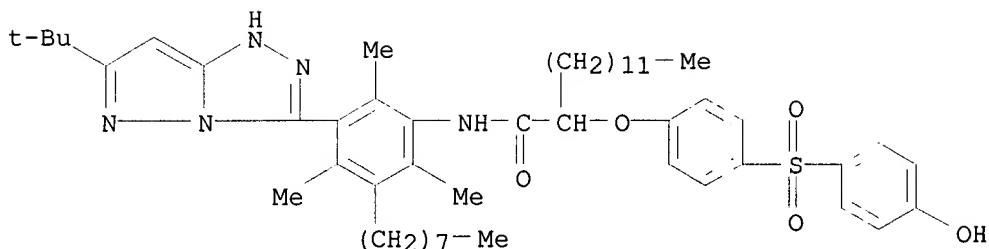
RN 108490-34-2 HCAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 3-(4-decyl-2,3,5,6-tetramethylphenyl)-6-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



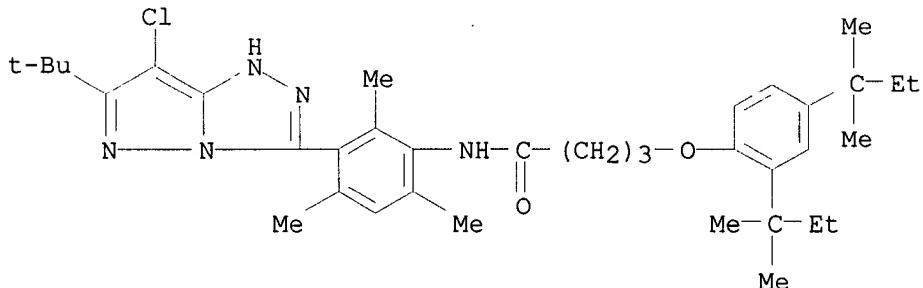
RN 108490-35-3 HCAPLUS

CN Tetrade canamide, N-[3-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2,4,6-trimethyl-5-octylphenyl]-2-[4-[(4-hydroxyphenyl)sulfonyl]phenoxy]- (9CI) (CA INDEX NAME)



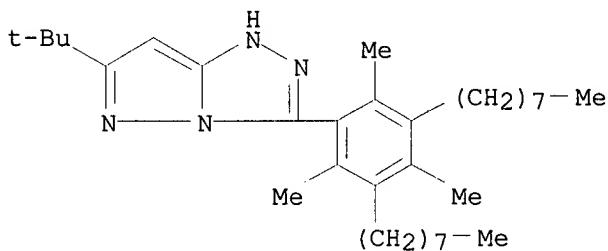
RN 108490-36-4 HCAPLUS

CN Butanamide, 4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2,4,6-trimethylphenyl]- (9CI) (CA INDEX NAME)



RN 108490-37-5 HCAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 6-(1,1-dimethylethyl)-3-(2,4,6-trimethyl-3,5-dioctylphenyl)- (9CI) (CA INDEX NAME)



IT 108490-40-0 108490-41-1 108490-42-2

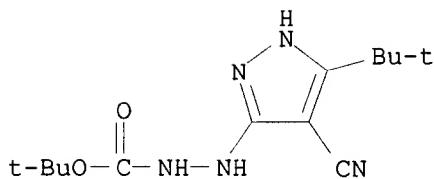
108490-43-3 108490-44-4, 1-Acetyl-6-tert-butyl-3-(2,4,6-trimethyl-3-nitrophenyl)-1H-pyrazolo[3,2-c]-s-triazole 108490-45-5  
, 1-Acetyl-6-tert-butyl-3-(3-amino-2,4,6-trimethylphenyl)-1H-pyrazolo[3,2-c]-s-triazole 108490-46-6, 1-Acetyl-6-tert-butyl-7-chloro-3-(2,4,6-trimethyl-3-nitrophenyl)-1H-pyrazolo[3,2-c]-s-triazole  
108490-47-7 108490-48-8 108490-49-9

RL: RCT (Reactant)

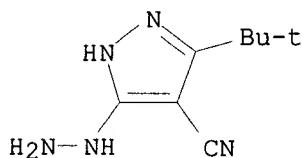
(reaction of, pyrazolotriazole deriv. magenta photog.  
coupler from)

RN 108490-40-0 HCAPLUS

CN Hydrazinecarboxylic acid, 2-[4-cyano-5-(1,1-dimethylethyl)-1H-pyrazol-3-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

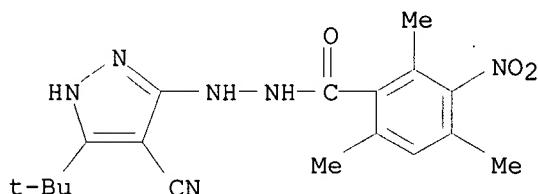


RN 108490-41-1 HCAPLUS  
 CN 1H-Pyrazole-4-carbonitrile, 3-(1,1-dimethylethyl)-5-hydrazino-, monohydrochloride (9CI) (CA INDEX NAME)

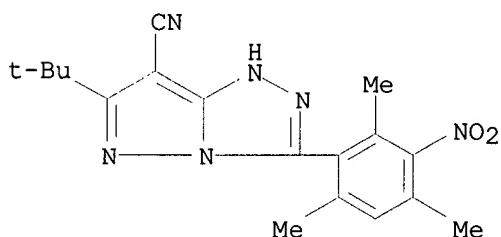


● HCl

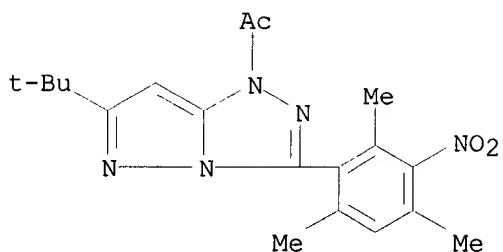
RN 108490-42-2 HCAPLUS  
 CN Benzoic acid, 2,4,6-trimethyl-3-nitro-, 2-[4-cyano-5-(1,1-dimethylethyl)-1H-pyrazol-3-yl]hydrazide (9CI) (CA INDEX NAME)



RN 108490-43-3 HCAPLUS  
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-7-carbonitrile, 6-(1,1-dimethylethyl)-3-(2,4,6-trimethyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)

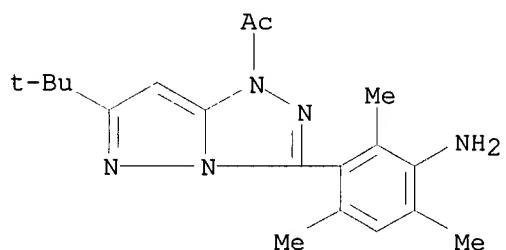


RN 108490-44-4 HCAPLUS  
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 1-acetyl-6-(1,1-dimethylethyl)-3-(2,4,6-trimethyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)



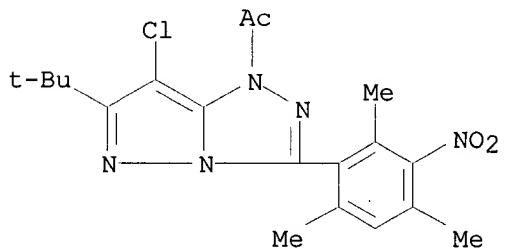
RN 108490-45-5 HCPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 1-acetyl-3-(3-amino-2,4,6-trimethylphenyl)-6-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



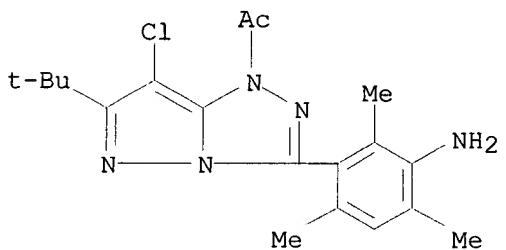
RN 108490-46-6 HCPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 1-acetyl-7-chloro-6-(1,1-dimethylethyl)-3-(2,4,6-trimethyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)



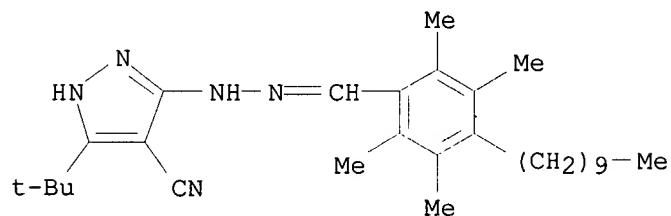
RN 108490-47-7 HCPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 1-acetyl-3-(3-amino-2,4,6-trimethylphenyl)-7-chloro-6-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



RN 108490-48-8 HCPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-[[ (4-decyl-2,3,5,6-tetramethylphenyl)methylene]hydrazino]-5-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



RN 108490-49-9 HCPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-7-carbonitrile, 3-(4-decyl-2,3,5,6-tetramethylphenyl)-6-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

